

Title (en)

METHOD FOR PRODUCING AND/OR RECYCLING A CONVEYOR BELT, AND CONVEYOR BELT

Title (de)

VERFAHREN ZUR HERSTELLUNG UND/ODER WIEDERVERWERTUNG EINES FÖRDERBANDES SOWIE FÖRDERBAND

Title (fr)

PROCÉDÉ POUR LA FABRICATION ET/OU LA RÉUTILISATION D'UNE COURROIE TRANSPORTEUSE AINSI QUE COURROIE TRANSPORTEUSE

Publication

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Application

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Abstract (en)

[origin: WO2018138262A1] The invention relates to a method for producing and/or recycling a conveyor belt (1). The conveyor belt (1) has at least one belt layer (2), and the belt layer (2) or one of the belt layers (2) is designed as a tension member (3) which consists at least of a matrix material and filaments (4) embedded into the matrix material. The method has a step of providing a tension member starting material by providing a recyclate that already contains filaments (4) or filament groups or by combining a recyclate which already contains filaments (4) or filament groups with a matrix material and/or filaments (4) or by combining the matrix material with filaments (4), producing an extrudable state of the tension member starting material by mixing the provided tension member starting material in a mechanically aided manner and influencing the temperature of the provided tension member starting material and extruding the tension member (3) which forms the at least one belt layer (2) of the conveyor belt (1) from the tension member starting material or extruding the tension member (3) which forms one belt layer (2) of the conveyor belt (1) from the tension member starting material, and connecting the tension member (3) to at least one other belt layer (2) in order to form the conveyor belt (1). The invention additionally relates to a conveyor belt (1) for carrying out the method according to the invention, the matrix material of the tension member (3) and/or the conveyor belt materials having a lower melting point than the filaments (4) introduced into the tension member (3).

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